



## Agromet Advisory Bulletin

Date : 31-03-2023

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2023-03-31(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-04-01	2023-04-02	2023-04-03	2023-04-04	2023-04-05
Rainfall(mm)	3.5	0.0	0.0	0.0	0.0
Tmax(°C)	39.0	39.6	40.0	40.3	40.6
Tmin(°C)	23.7	23.5	23.7	23.6	23.4
RH-I(%)	48	45	44	45	42
RH-II(%)	27	20	18	15	17
Wind Speed(kmph)	14.0	9.0	8.0	7.0	7.0
Wind Direction(Degree)	195	56	52	221	48
Cloud Cover(Octa)	4	4	3	2	2

### Weather Summary/Alert:

• In Nagpur district, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days i.e. 01st to 05th, April, 2023. • Very light to light rainfall very likely to occur at isolated places on 01st, April, 2023. • Weather is very likely to be dry on 02nd to 05th, April, 2023. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur at isolated pocketson 01st, April, 2023. • Maximum temperature will be 39.0 to 40.6 degree Celsius and minimum temperature will 23.4 to 23.7 degree Celsius during next five days. • No large change in Maximumtemperature for 24 hrs their after gradual rise by 2-4 degree Celsius in subsequent days over the Vidarbharegion. • No large change in Minimum Temperature over Vidarbha during next 5 days.

### General Advisory:

• Considering the increase in temperature, evaporation rate and wind speed, it is advised to apply need base light and frequents irrigation to fruit orchards, vegetables and summer field crops. Avoid intercultural operation in summer groundnut at peg formation stage. Ploughing should be done after harvesting of rabi season crop. Increase the frequency of irrigation at critical growth stages. Remaining harvesting and threshing of chickpea and wheat should be finished after maturity and store the harvested produce in safer places. • Considering the possibility of thunderstorm and lightning, maximum distance between two persons should be maintained while working in the field. • If you hear thunder while working in the filed immediately take safer shelter. • Must avoid taking shelter near tree and under tree. • Avoid grazing of livestock viz., sheep, goat, cow, buffalo etc. in open spaces. • Make the arrangements for feeds and water availability in cattle's sheds. • Use Damini - Lightning Alert mobile app to monitor lightning locationand also use the information available in the app to protect against lightning. • Damini - Lightning Alert app should be downloaded from Google Play Store using the following link. • [https://play.google.com/store/apps/details?id=com.lightening.live.damini&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.lightening.live.damini&hl=en_IN&gl=US) • Avoid intercultural operation in summer groundnut at peg formation stage. Ploughing should be done after harvesting of rabi season crop.

### SMS Advisory:

• Remaining harvesting and threshing of matured chickpea and wheat should be finished and store the harvested produce in safer places.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	<ul style="list-style-type: none"> <li>Apply light and frequent irrigation to groundnut crop at an interval of 8 to 10 days according to requirement of crop and considering soil type. Avoid over irrigation/water stagnation to prevent the incidence of root rot. Intercultural operation should be avoided once the pegs formed. During peg formation to pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. For control of rust and tikka (leaf spot), spraying should be done of Tebuconazole 25 % WG 500-750 gm per hectare mix with 500 litre) of water. (10 to 15 gram/10 litre of water. For control thrips, when ETL cross (5 thrips per three leaves), then spraying should be taken of Quinalphos 25 % EC (28 ml/10 liter of water) 1400 ml/hectare in 500 litres of water.</li> </ul>
BENGAL GRAM/ CHICK PEA	<ul style="list-style-type: none"> <li>Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured chickpea crop and store the harvested and threshed produce at safer places. If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.</li> </ul>
WHEAT	<ul style="list-style-type: none"> <li>Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured wheatcrop and store the harvested and threshed produce at safer places.If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.</li> </ul>

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
CABBAGE	<ul style="list-style-type: none"> <li>Considering the prevailing cloudy weather, for management of aphids on Cabbage &amp; Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantraniliprole 10.26 OD 12 ml per 10 liters of water. • Considering the prevailing cloudy weather, for management of Diamond Back Moth on Cabbage &amp; Cauliflower, Spraying should be done of Chlorpyrifos 20 EC 40 ml or Spinosad 2.5 SC 12 ml or Fenvalerate 20 EC 5 ml per 10 liters of water.</li> </ul>
MANDARIN ORANGE	<ul style="list-style-type: none"> <li>Considering the rise in temperature continue drip irrigation at the rate of 14-63, 87-143 and 163-204 litres per day for 1-4, 5-7, 8 years and above trees old respectively. Follow irrigation with double ring method or square method irrigate orchard at 7 to 10 days interval. Considering the increasing temperature, mulching around tree trunk up to 5-10 cm should be done with wheat straw, paddy straw or uprooted weeds so that, evaporation of water due to high temperature can be minimized which helps in reducing fruit crop. • Water stress conditions often aggravate mite problem during these periods. Trees should be well irrigated, particularly during the stress in late summer. Foliar application of Dicofol* 18.5EC @ 27ml or Propargite* 57 @ 20 ml or Ethion* 50EC @20ml in 10 litre water twice at 15 days' interval is necessary immediately during summer at water stress period. To check the blackfly infestation during April, foliar application of Imidacloprid# 17.8 SL @ 5 ml or Dimethoate# 30 EC @ 20 ml per 10litre of water at 15 days' interval on the lower sides of leaves covering the entire tree canopy coinciding with adult emergence and 50% egg hatching necessary effectively to check the pest. • In case of bark eating caterpillar infestation, the affected branches of the frass and feces, injection of 5 to 10ml of Chlorpyrifos# 20 EC solution in to the tunnel and then cover the hole with soaked cotton wad is necessary or cotton wool soaked in kerosene or petrol injected in to the tunnel and then cover the hole with wet clay mud is necessary.</li> </ul>
MANDARIN ORANGE	<ul style="list-style-type: none"> <li>Foliar application of gibberellic acid 1.5 gm + urea 1 kg may be given during fruit set after mixing it in 100 litres water. (Dissolve gibberellic acid in 10 ml alcohol before mixing in water). Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 41 to 42 degree Celsius. Installed Yellow Sticky trap @ 30 /acre (Using 30 x 40 cm size foam sheet with Castor oil as sticker at weekly interval to catches large number of adult sucking pest at 1.5 to 2.0-meter height above soil surface. • For effective management of gummosis of Nagpur mandarin gummosis-affected portion from where gum is oozing needs to be scraped out with sharp knife, taking care not to damage the wood. Cleaned portion pasting with Metalaxyl MZ* (50 g/l) or Fosetyl-Al* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease.</li> </ul>
TOMATO	<ul style="list-style-type: none"> <li>Due to continuous cloudy weather if the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper</li> </ul>

Horticulture(Varieties)	Horticulture Specific Advisory
	hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb 64% (2.0 g/l) during clear weather condition.
CHILLI	<ul style="list-style-type: none"> <li>For avoiding flower drop in chilli, apply Planofix 5 ml/9 litre of water, 50 to 70 days after planting. Due to present weather condition for control of sap sucking pest on Chilli crops, spray 5 % Neem ark or imidacloprid 17.8 SL 5 ml per 10 lit. of water. In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.</li> </ul>
TOMATO	<ul style="list-style-type: none"> <li>In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition.</li> </ul>

**Live Stock Specific Advisory:**

Live Stock(Varieties)	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> <li>Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green fodder, protein-fat bypass supplement, mineral mixture and salt.</li> </ul>

**Others (Soil / Land Preparation) Specific Advisory:**

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	<ul style="list-style-type: none"> <li>Farmers should take care of thunder and lightning in the sky: If you are working in the field, take shelter immediately near the field. After taking shelter in a safe place in the field, keep dry wood, plastic, gonapath, dry mulch under the feet. Sit with both feet together and both hands on your knees. Make sure that no part of your body touches the ground except your feet. Individuals working in ponds, such as places where there is moisture in the soil or water sources, should go to a safe and dry place immediately. If there are tall trees nearby, take shelter at a distance twice the height of that tree.</li> </ul>
GENERAL ADVICE	<ul style="list-style-type: none"> <li>Farmers should take care of thunder and lightning in the sky: A pucca house is the safest place to avoid lightning. Farmers should plant trees as low as possible around their houses and livestock sheds. Moist, swampy places and water sources (wells, lakes, rivers, farm ponds etc.) should be avoided as much as possible. If traveling in a four-wheeler, stop in the vehicle. Farmers should take care that they do not have any metal tools. When working in the field, do not let more people work together at the same time. Care should be taken to keep a distance of at least 15-20 feet between two persons. Do not use an umbrella with a metal rod. Stay away from other electric tools made by farmers as well as metal ones.</li> </ul>
GENERAL ADVICE	<ul style="list-style-type: none"> <li>It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid up to 08:30 AM of the mentioned date.*Based on a research trial that was not included in the CIB RC label claim. # Under label claim.</li> </ul>